



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,708	12/02/2003	Yumiko Suzuki	8028-1046	2217
466	7590	05/11/2007	EXAMINER	
YOUNG & THOMPSON			WONG, XAVIER S	
745 SOUTH 23RD STREET				
2ND FLOOR			ART UNIT	PAPER NUMBER
ARLINGTON, VA 22202			2609	
			MAIL DATE	DELIVERY MODE
			05/11/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/724,708	SUZUKI ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	Xavier Wong	2609

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE Three MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) Responsive to communication(s) filed on 2<sup>nd</sup> Dec 2003.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) Claim(s) 1 - 10 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1 - 10 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 2<sup>nd</sup> Dec 2003 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 2-Dec-03 & 3-Jul-06.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application
- 6) Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Priority***

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d).

### ***Information Disclosure Statement***

The information disclosure statements submitted on 2<sup>nd</sup> December 2003 and 3<sup>rd</sup> July 2006 are being considered by the examiner.

### ***Drawings***

Figure 12 is objected to because in description ①: Record voice MSG OFKTS terminal unit B onto voice MSG box – a space should be present between **OF** and **KTS**. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application

must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 – 3 and 5 – 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakai et al (WO 01/78317 A1).

Consider claims 1, 5, 7 and 9, Nakai et al disclose a network segment 200/201 (as Key Telephone System "KTS" Main Unit) that accommodates IP extension terminal units – an internal contents server 202 and an intranet 400 with another contents server 401 – that are able to route/switch (call or message) data with key telephone system terminal units – portable terminal 101 and computer 102 – in which both KTS terminal units are outside the LAN and being able to access the KTS main unit 200/201 and the IP extension terminal units (pg. 6 lines 26-29, pg. 7 lines 1-20; abstract; fig. 1). The network segment 200/201 comprises an authentication function 200a with login means that requires outside KTS user units (e.g. 101, 102) to input a predetermined ID 203d and password 203c to obtain access into the segment's IP addresses 206a (pg. 7 lines 21-

Art Unit: 2609

25, pg. 8 lines 8-25; fig. 2). The outside KTS units receive terminal ID 203e (in process of being registered and authenticated) and user information is being stored in database 203 (pg. 8 lines 26-29, pg. 9 lines 1-15; fig. 6). Communication between the KTS terminal units and the IP extension terminal units can be accomplished by VoIP technology (pg. 1 lines 12-21, pg. 23 lines 15-19).

Consider claims **(2, 3), 6, 8 and 10**, and as applied to claims **1, 5, 7 and 9** above, **Nakai et al** disclose database 203 contains information including an “internal” telephone directory so the IP extension terminal units (e.g. 202, 400, 401) can know whether each extension terminal units can communicate with one another or not (pg. 7 lines 21-25; fig. 8 item 7). As outside KTS user units (e.g. 101, 102) input a predetermined ID 203d and password 203c to obtain access into the segment’s IP addresses 206a (pg. 7 lines 21-25, pg. 8 lines 8-25; fig. 2), the outside KTS units receive terminal ID 203e (in process of being registered and authenticated inherently when the IP extension unit is ON) and user information (ID, password, etc.) is being stored in database 203 (pg. 8 lines 26-29, pg. 9 lines 1-15; fig. 6). Through the outside KTS user terminal (display/portal), a user logs-on as a menu 500 that leads to internal information as a URL webpage (pg. 11 lines 11-29, pg. 12 lines 1-9; figs. 6-9).

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

Art Unit: 2609

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nakai et al (WO 01/78317 A1).

Consider claim 4, and as applied to claim 3 above, Nakai et al disclose the network segment 200/201 comprises a telephone directory (fig. 8 item 7); a routing functionality 200c for sending, receiving and storing e-mails in cache (pg. 20 lines 14-19, pg. 21 lines 4-10, pg. 22 lines 14-20; fig. 5); and though Nakai et al did not explicitly

mention the storing of voice message (**Nakai et al** instead mention the Voice Over Internet Protocol VoIP capability on pg. 1 lines 16-21 and pg. 23 lines 15-19), it would have been obvious to a person who has ordinary skill in the art at the time the invention was made to incorporate the teachings of a voice mail/storage system in order to give users another option to receive or record messages on top the traditional text e-mails.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- A.) **Partovi et al (U.S Pat 6,970,915 B1)** disclose a voice portal to access the Internet.
- B.) **Baker et al (U.S Pub 2004/0006557 A1)** disclose an enterprise directory database and a web-based graphical user interface (GUI) for users to search and identify certain parties.
- C.) **Book et al (U.S Pub 2003/0223566 A1)** disclose an interactive voice response system, personal call manager, and a key terminal system to authenticate subscribers.
- D.) **McMullin (U.S Pub 2003/0235182 A1)** disclose a telephony application server to handle communication between IP phone customers and a service provider, which enables a virtual key system, so the customers need not add equipment for special call features such as company directory and caller ID display, etc.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xavier Wong whose telephone number is 571-270-1780. The examiner can normally be reached on Monday through Friday 8 am - 5 pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rafael Perez-Gutierrez can be reached on 571-272-7915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Xavier Szewai Wong  
X.S.W / x.s.w  
5<sup>th</sup> May 2007

A handwritten signature in black ink, appearing to read "Xavier Szewai Wong". The signature is fluid and cursive, with some loops and variations in line thickness.